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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/075,338	02/14/2002	Michael L. Reed	10186	8708

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EXAMINER
DANG, THANH HA T

ART UNIT	PAPER NUMBER
2163	

DATE MAILED: 01/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/075,338	REED ET AL.
	Examiner	Art Unit	
	Thanh-Ha Dang	2163	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *19 December 2005*.

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *3, 21 and 37* is/are pending in the application.

    4a) Of the above claim(s) *1-2, 4-20, 22-36, 38-44* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *3, 21 and 37* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *14 February 2002* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1. Applicant cancelled Claims 1-2, 4-20, 22-36 and 38-44.

2. Claims 3, 21, and 37 are rejected in this Office Action.

Response to Amendment

3. Receipt of Applicant's Amendment filed 19 December 2005 is acknowledged.

4. After reviewing Applicant's Remarks and update search, the Office withdrew the finality and claims 3, 21, and 37 indicated for allowance. The Office regrets any inconvenience due to Applicant.

5. The indicated allowability of claims 3, 21, and 37 are withdrawn in view of the newly discovered reference(s). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3, 21 and 37 are rejected under 35 U.S.C. 103(a) as being
unpatentable over U.S. Patent No 6,839,707 issued to Lee et al. ("Lee"), and
further in view of Pub. No. US2003/0004975 issued to Nakano et al. ("Nakano").

As to **Claim 3**, *Lee teaches* a method of loading data into a database
system, comprising:

- receiving an insert request to insert data into a table in a database system,
  where the insert request includes one or more links, and each link
  indicates a server connection and a storage location for data
  corresponding to the link *(Figures 11, 17-18, column 11, lines 12-40)*;

- creating a table entry in the database system *(Figure 3, column 5, lines 3-
  9)*;

- opening the corresponding server connection for each received link
  (column 8, lines 12-35);

- requesting the data corresponding to each received link through the
  corresponding opened server connection *(Figures 9-13, column 8, lines
  66-67, column 9, lines 1-67 and column 10, lines 1-43)*;

- receiving the requested data for each received link through the
  corresponding server connection *(Figures 9-13, column 8, lines 66-67,
  column 9, lines 1-67 and column 10, lines 1-43)*; and

- *Lee does not explicitly teach* storing the received data in the table entry,
  where at least two insert requests are processed in parallel. However,

Nakano teaches storing the received data in the table entry, where at least two insert requests are processed in parallel *(page 5 [0077] wherein concurrently execute insert processing requests to table is equivalent to insert requests are processed in parallel)*.

It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the teachings of Nakano and Lee to provide a method and system which implements parallel processing, thereby provide a method and system in order to allow access and processing of multiple requests to enhance operability and performance of a database management system in a distributed computer network environment.

As to **Claim 21**, *Lee teaches* a computer program, stored on a tangible storage medium, for use in loading data into a database system, the program comprising executable instructions that cause a computer to:

- receive an insert request to insert data into a table in a database system, where the insert request includes one or more links, and each link indicates a server connection and a storage location for data corresponding to the link *(Figures 11, 17-18, column 11, lines 12-40)*;
- create a table entry in the database system *(Figure 3, column 5, lines 3-9)*;
- "open the corresponding server connection for each received link *(column 8, lines 12-35)*;

- request the data corresponding to each received link through the corresponding opened server connection *(Figures 9-13, column 8, lines 66-67, column 9, lines 1-67 and column 10, lines 1-43)*;

- receive the requested data for each received link through the corresponding server connection *(Figures 9-13, column 8, lines 66-67, column 9, lines 1-67 and column 10, lines 1-43)*; and

- *Lee does not explicitly teach* store the received data in the table entry, where at least two insert requests are processed in parallel. However, *Nakano teaches* store the received data in the table entry, where at least two insert requests are processed in parallel *(page 5 [0077] wherein concurrently execute insert processing requests to table is equivalent to insert requests are processed in parallel)*.

It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the teachings of Nakano and Lee to provide a method and system which implements parallel processing, thereby provide a method and system in order to allow access and processing of multiple requests to enhance operability and performance of a database management system in a distributed computer network environment.

As to **Claim 37**, *Lee teaches* a database system, comprising:

- one or more data storage facilities for use in storing data composing records in tables of a database *(Figure 1, wherein block16 is a data*

storage facilities for use in storing data records in tables of a database which is block20, column 3, lines 63-67 and column 4, lines 1-15);

- one or more processing modules configured to manage the data stored in the data-storage facilities *(Figure 4, wherein block130, block136, block140, block146 represent the processing modules configured to manage the data stored in the data-storage facilities, column 6, lines 4-35, and column 7, lines 3-34);* and

- a database management component configured to load data into the data storage facilities after receiving one or more links in a request from a client system, where each link indicates a server connection and a storage location for the data to be loaded *(Figures 3-4, 6-13 illustrate a database management component which load data into the data storage facilities after receiving one or more links in a request from a client system via a server connection and a storage location for the data to be loaded, column 8, lines 65-67, column 9, lines 1-67 and column 10, lines 1-43),* and where at least one processing module includes executable instructions providing a database worker task configured to:

- create a table entry in a data storage facility corresponding to the processing module including the database worker task *(Figure 3, column 5, lines 3-9);*

- open the corresponding server connection for each received link *(column 8, lines 12-35);*

- request the data corresponding to each received link through the corresponding opened server connection *(Figures 9-13, column 8, lines 66-67, column 9, lines 1-67 and column 10, lines 1-43)*;

- receive the requested data for each received link through the corresponding server connection *(Figures 9-13, column 8, lines 66-67, column 9, lines 1-67 and column 10, lines 1-43)*; and

- *Lee does not explicitly teach* store the received data in the table entry, where the database management component is further configured to process at least two client requests including link strings in parallel. However,

  Nakano teaches store the received data in the table entry, where the database management component is further configured to process at least two client requests including link strings in parallel *(page 5 [0077] wherein concurrently execute processing requests to table is equivalent to process at least two client requests including link strings in parallel)*.

It would have been obvious to a person of ordinary skill in the art at the time of the invention to combine the teachings of Nakano and Lee to provide a method and system which implements parallel processing, thereby provide a method and system in order to allow access and processing of multiple requests to enhance operability and performance of a database management system in a distributed computer network environment.

Citation of Pertinent Prior Art

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- US Patent No. 6,675,214 issued to Stewart et al., "Method and Apparatus for Efficient Storage and Retrieval of Objects In and From an Object Storage Device".

Response to Arguments

8. Applicant's arguments with respect to claims 3, 21 and 37 have been considered but are moot in view of the new ground(s) of rejection.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh-Ha Dang whose telephone number is 571-272-4033. The examiner can normally be reached on Monday-Friday from 9:00 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on 571-272-4023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thanh-Ha Dang
Examiner
Art Unit 2163

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SUPERVISORY PATENT EXAMINER
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